

We claim:-

1. A process for the reduction of the residual monomer content and enhancement of the wet strength of articles formed from water absorbent crosslinked polymer foams containing units derived from monoethylenically unsaturated acids, which comprises treating the formed articles with at least 0.5% by weight of a polymer containing primary and/or secondary amino groups and having a molar mass of at least 300.
2. A process as claimed in claim 1, wherein the polymer containing primary and/or secondary amino groups is used in an amount from 0.5 to 80%, preferably from 1 to 20%, by weight.
3. A process as claimed in claim 1 or 2, wherein the polymer containing primary and/or secondary amino groups is a polymer containing primary and/or secondary amino and/or ammonium groups and having a molar mass from 500 to 5 million.
4. A process as claimed in any of claims 1 to 3, wherein the molar mass of the polymer bearing amino groups is from 1000 to 100,000.
5. A process as claimed in any of claims 1 to 4, wherein the polymer bearing amino groups is polymers containing vinylamine units, polyethyleneimines, polyvinyl guanidine, lysine condensates and/or polyallylamines.
6. A process as claimed in any of claims 1 to 5, wherein the formed foam articles consist of water-absorbent crosslinked polymers of acrylic acid.
7. A process as claimed in any of claim 1 to 6, wherein the polymer containing primary and/or secondary amino groups is selected from the group consisting of polyethyleneimines, crosslinked polyethylenimines and amidated polyethylenimines having molar masses  $M_w$  of from 500 to 3000000.
8. A process as claimed in any of claims 1 to 6, wherein the polymer containing primary and/or secondary amino groups is selected from the group consisting of vinylamine homopolymers, 1 - 99 % hydrolyzed polyvinylformamides, copolymers of vinylformamide and vinyl acetate, vinyl alcohol, vinylpyrrolidone or acrylamide, each having molar masses  $M_w$  of 3000 - 2000000.

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9. Articles formed from water-absorbent crosslinked polymer foams containing units derived from monoethylenically unsaturated acids, obtainable by the process of claims 1 to 6.

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10. The use of the foams obtained according to the process of claims 1 to 8 in hygiene articles, wherein the hygiene articles are infant diapers, incontinence products, femcare articles, wound contact materials or secondary wound dressings.

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